IN THE SPECIFICATION

On page 8, kindly amend the paragraph beginning line 12 as follows:

Crosstalk in communication systems utilizing convolution filters can also be analyzed via the-an autocorrelation function. Orthogonality between channels is indicated by periodic zeros in the autocorrelation function. The problem with typical WDM channels is that while these zeros exist at the appropriate times, they are only instantaneous in time and frequency. In order to get adequate signal for each bit, however, the receiver must integrate the signal for a non-trivial amount of time. In addition, it is impossible to only sample one exact frequency. These two problems result in very significant crosstalk between adjacent channels.